



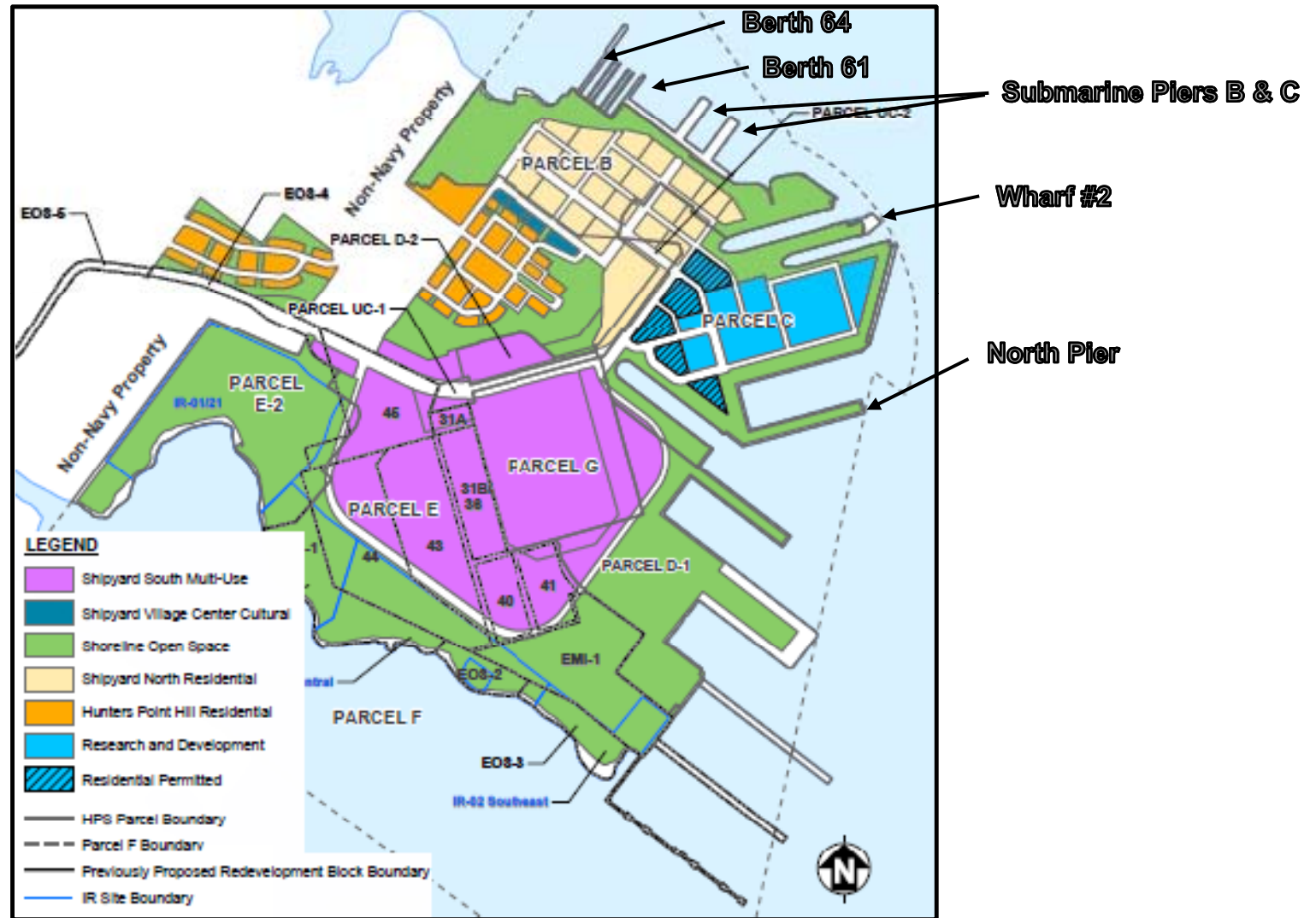
# Pier Surveys and Removal

Hunters Point Naval Shipyard  
BRAC Cleanup Team Meeting

June 23, 2011



# Map of Work Areas





# Scope of Work and Status Update



## ✓ **Planning**

- Workplan – Final Pier Demolition Work Plan

## ✓ **Pre-Demolition Activities**

- Pre-Demolition Surveys complete
- Equipment Mobilization

## ➤ **Pier Demolition Activities**

- Demolition and Radiological Screening Activities

## ➤ **Post-Demolition Activities**

- Post-Demolition Surveys
- Equipment Decontamination (if necessary)
- Removal Action Completion Report (RACR) Preparation



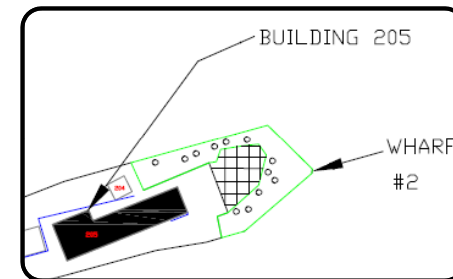
# Field Activities: Demo Update



As of 6/20/2011:

➤ **Wharf #2**

- Wooden portion – 50% complete
- Currently removing steel piles to access remaining wooden portion

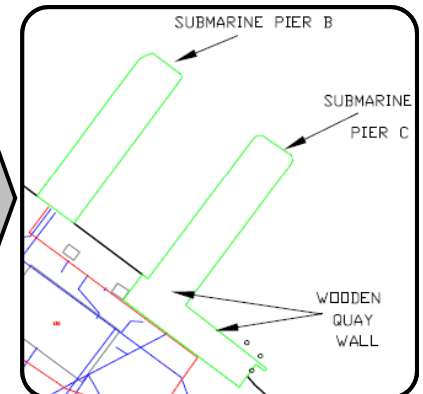
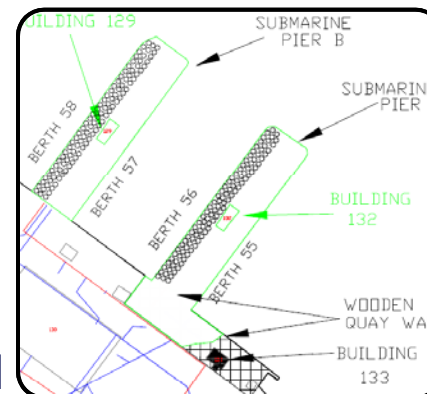


➤ **Sub Pier B**

- Pier & piles are completely removed

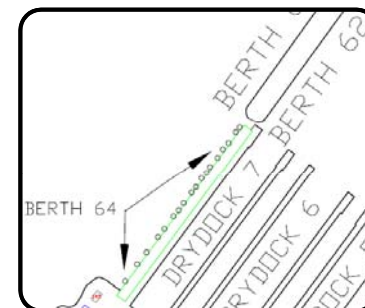
➤ **Sub Pier C & Wooden Quay Wall**

- Pier & wooden piles –removed
- 3 steel piles remaining to be removed



➤ **Berth 64**

- Wooden portion completely removed
- ~ 18 steel piles remaining to be removed





# Field Activities: Sub Piers B & C Demo Activities Update



## Submarine Pier B:



## Submarine Pier C:



## Submarine Pier C Quay Wall:

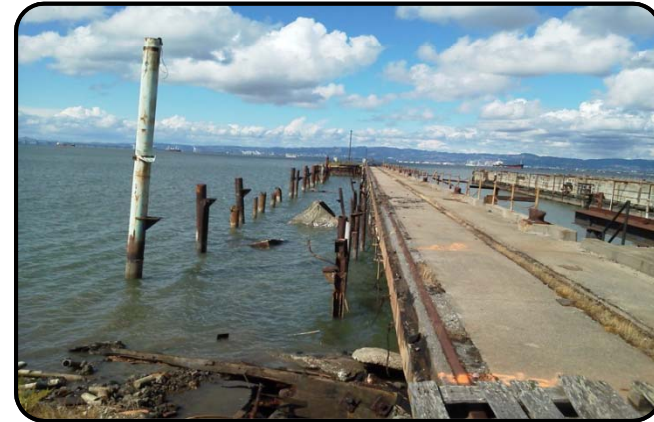
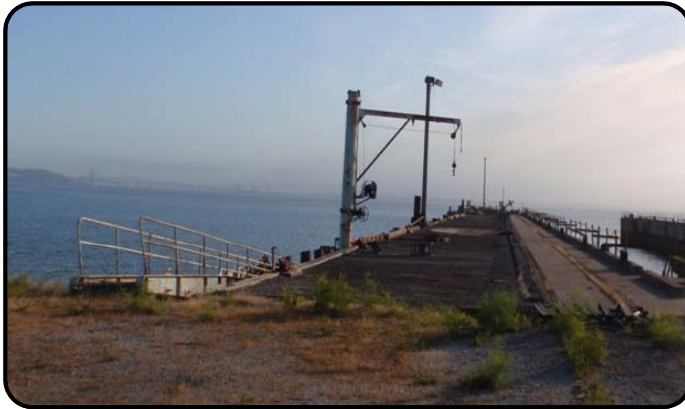




# Field Activities: Berth 64 Demo Activities Update



**Berth 64:**



**Wharf #2:**





## Field Activities: Monitoring & BMPs



### ACM Abatement (Berth 64):



### Water quality monitoring:



### Dust control

(@ North Pier material staging):





## Field Activities: Steel Pile Removal



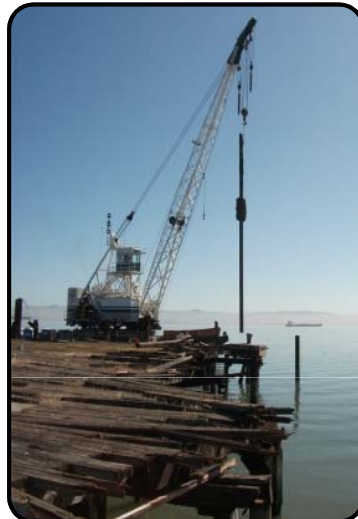
**Vibratory Hammer Placement:**



**Removal of Steel Pile:**



**Removal of Steel Pile:**

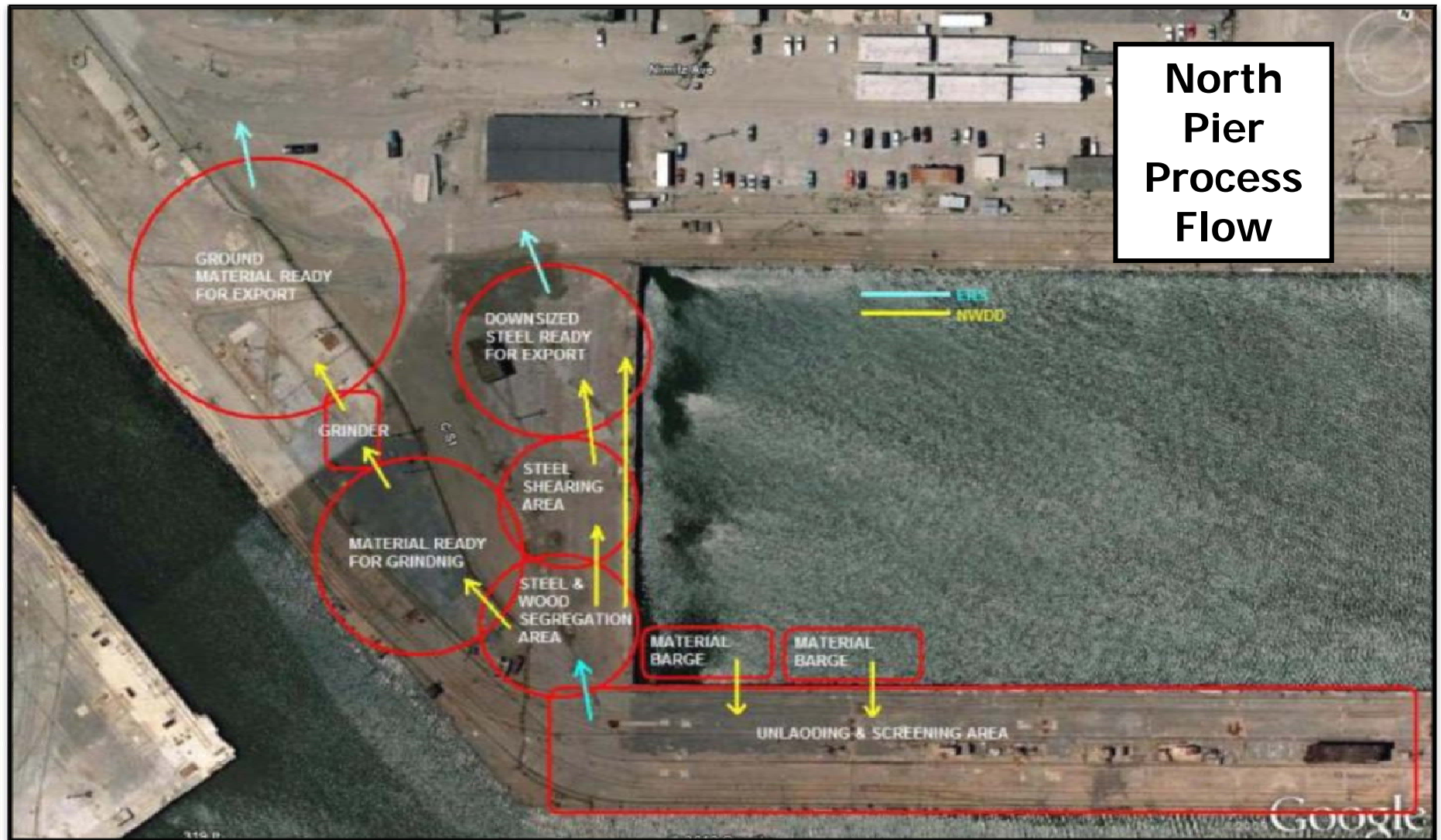


**Steel Pile Placement on Barge:**





# North Pier Debris Processing





# North Pier Debris Processing



## Processing & Movement of Material:



## Steel Segregation:



## Grinding of Wood Debris:



## Concrete Debris:





## Project Schedule



- **Mobilization:** Week of March 14<sup>th</sup>
- **Demolition Activities Start:** Week of March 21<sup>st</sup>
- **Anticipated De-mobilization:** September 2011
- **Project Completion:** February 2012 – Final Report